

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE X WATER SANDS \_\_\_\_\_ LOCATION INSPECTED 011 SUB REPORT/abd \_\_\_\_\_\* Location Abandoned - Application Rescinded - 4-4-83DATE FILED 5-18-81

LAND FEE &amp; PATENTED \_\_\_\_\_ STATE LEASE NO. \_\_\_\_\_

PUBLIC LEASE NO U-40560 A

INDIAN \_\_\_\_\_

DRILLING APPROVED: 10-20-81

SPUDED IN: \_\_\_\_\_

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION: \_\_\_\_\_

GRAVITY API: \_\_\_\_\_

GOR \_\_\_\_\_

PRODUCING ZONES \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_

WELL ELEVATION \_\_\_\_\_

DATE ABANDONED: LA 4-4-83FIELD: Wildcat 3/86

UNIT: \_\_\_\_\_

COUNTY: JuabWELL NO Federal #1-9API# 43-023-30013LOCATION 1360.5 FT. FROM (N) X LINE.228.5 FT. FROM (E) XX LINESW NW SE1/4 - 1/4 SEC. 9

TWP.

RGE

SEC.

OPERATOR

TWP.

RGE

SEC.

OPERATOR

14S

19W

9

ZEUS ENERGY INC,

ZEUS ENERGY INC.  
268 South Main  
Salt Lake City, Utah 84101

531-6764 (sec. for Robert Taylor) (P. 1111)  
531-1817

May 18, 1981

Mr. E.W. Guynn, District Engineer  
U.S. Geological Survey  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, Utah 84104

RE: Zeus Energy, Inc.  
Federal 1-9 (proposed)  
Sec. 9, T 14 S, R 19 W  
Juab County, Utah

Dear Sir:


Enclosed please find Zeus Energy's Application for Permit to Drill the subject well, along with its appropriate plans, as follows:

1. Form 9-331C, Application for Permit to Drill, submitted in triplicate.
2. Stipulation - Rule 30 CFR 221.20, Exception, submitted in triplicate.
3. 10-Point Program complete with exhibits.
4. 13-Point Surface Use Plan, complete with exhibits.
5. Cultural Resource Survey prepared by the Archaeological Center, University of Utah.

If any additional information is required to expedite the enclosed application, please advise. Your rapid response to this application would be greatly appreciated.

Sincerely,

ZEUS ENERGY, INC.

  
Robert C. Taylor, President

RDT/dma

cc: State of Utah  
Oil & Gas Division  
Attn: Mike Minder

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Zeus Energy, Inc.

## 3. ADDRESS OF OPERATOR

268 South Main St., Salt Lake City, Utah, 84101

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface 1360.5 North and 228.5 East of the S $\frac{1}{4}$  COR of

Sec. 9, T14S, R19W, SLB &amp; M

At proposed prod. zone

Same as above SW $\frac{1}{4}$ , NW $\frac{1}{4}$ , SE $\frac{1}{4}$ 

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

45 miles northwest of Delta, Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

1360.5'

## 16. NO. OF ACRES IN LEASE

1280

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

## 19. PROPOSED DEPTH

5000'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5400' GR

## 22. APPROX. DATE WORK WILL START\*

June 20. 1981

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 $\frac{1}{4}$ "	8 5/8"	36#/ft	500	Circ. to surface
7 7/8"	4 $\frac{1}{4}$ "	10.5#/ft	5000	As determined by logs

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 10/20/81

BY: Allen B. Wright

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

Robert C. Taylor  
Robert C. Taylor

TITLE

President  
President

DATE

May 18, 1981  
5/18/81

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

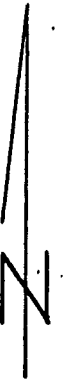
APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

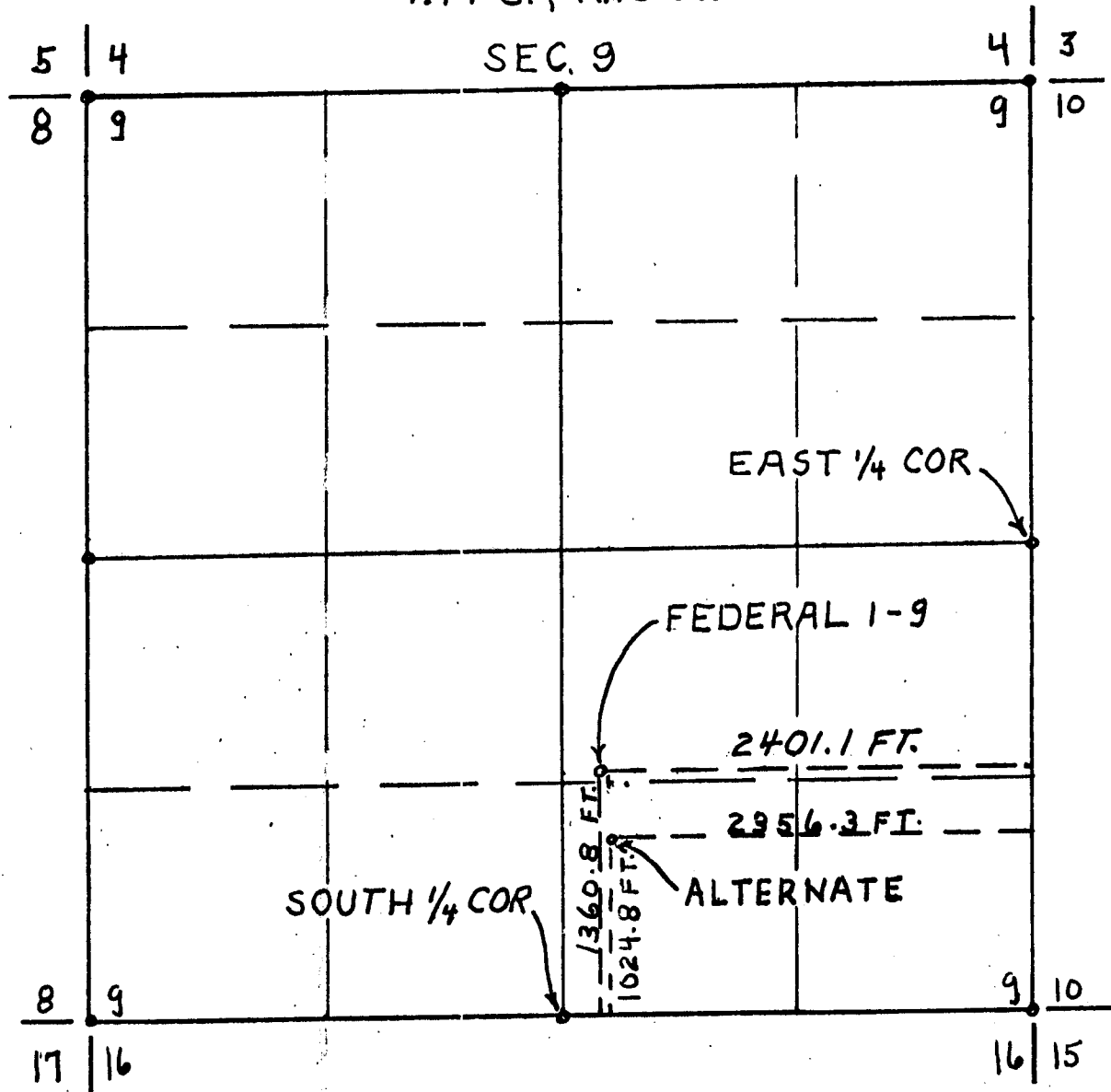
DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

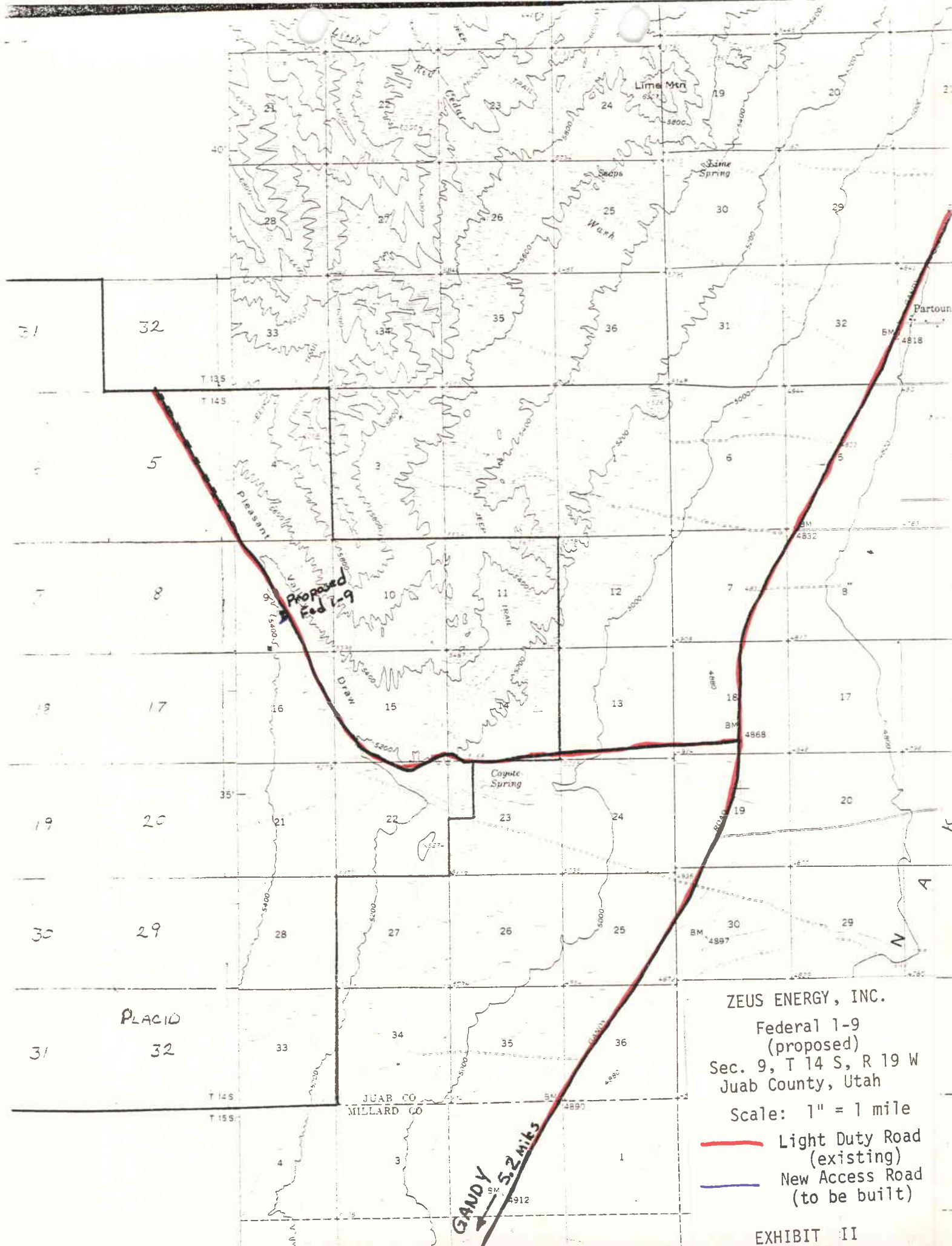
\*See instructions On Reverse Side



T.14 S., R.19 W.



SCALE 1 IN. = 1000 FT.



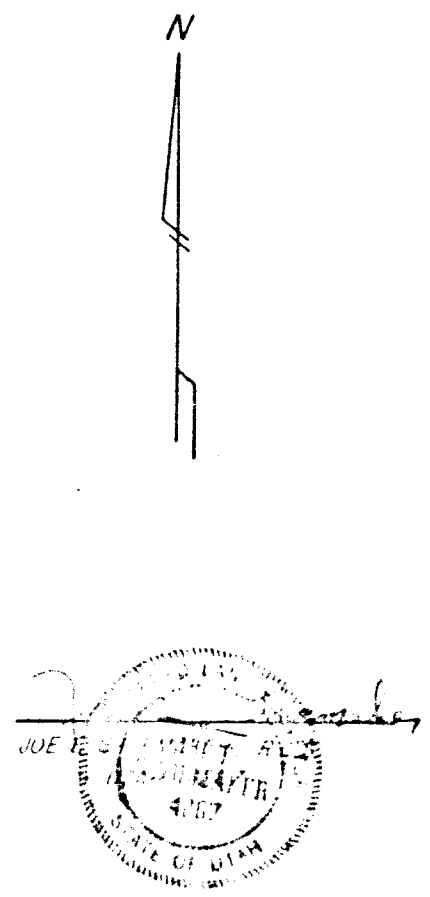
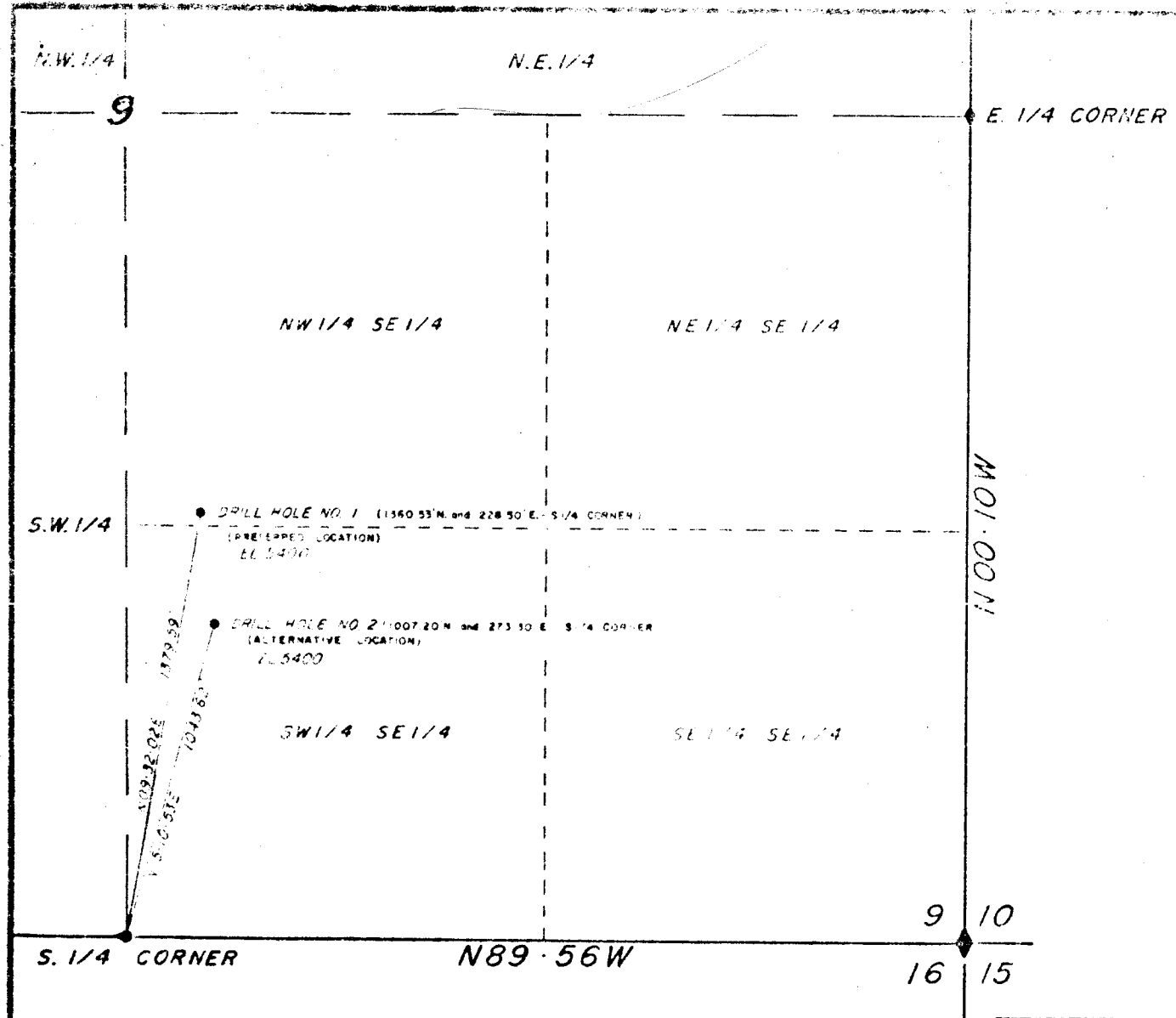
ZEUS ENERGY, INC.

Federal 1-9  
(proposed)  
Sec. 9, T 14 S, R 19 W  
Juab County, Utah

Scale: 1" = 1 mile

— Light Duty Road  
(existing)  
— New Access Road  
(to be built)

EXHIBIT II



DRAFTER <b>DENNIS BAILEY</b>		<b>OIL WELL LOCATIONS</b>  <b>SECTION 9, T14S, R19W</b> EXHIBIT I	
DATE <b>1/26/81</b>			
CHECKED BY <b>JOE E. SHOEMAKER</b>		TITLE <b>ZEUS ENERGY</b>	
DATE <b>1/29/81</b>			
APPROVAL  		SCALE: <b>1" = 400'</b>	
APPROVAL  			
APPROVAL  		DRAWING NO. <b>A-1</b>	

**\*\* FILE NOTATIONS \*\***

DATE: July 3, 1981

OPERATOR: Zeus Energy, Inc.

WELL NO: Federal #1-9

Location: Sec. 9 T. 14S R. 19W County: Grant

File Prepared: ☒

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-023-30013

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_

Director: OK as per rule C-3 (c) Topo exception

Administrative Aide: as per Rule C-3, ok on any other oil or gas well

APPROVAL LETTER:

Bond Required: ☒

Survey Plat Required: ☐

Order No. \_\_\_\_\_

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Fed

Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☐

P.I. ☐

October 20, 1981

Zms Energy, Inc.  
268 South Main St.,  
Salt Lake City, Utah 84101

RE: Well No. Federal #1-9,  
Sec. 9, T. 14S, R. 19W,  
Juab County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-033-30036.

Sincerely

DIVISION OF OIL, GAS AND MINING

*Cleon B. Feight*  
Cleon B. Feight  
Director

CBF/db  
CC: OGB



October 26, 1981

Zeus Energy, Inc.  
268 South Main St.  
Salt Lake City, Utah 84101

RE: Well No. Federal #1-9,  
Sec/ 9, T. 14S, R. 19W,  
Juab County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

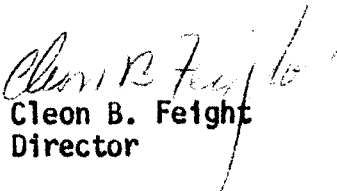
Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-023-30013. This is a CORRECTED API number. Please change your records to reflect the new number.

Sincerely

DIVISION OF OIL, GAS AND MINING

  
Cleon B. Feight  
Director

CBF/db  
CC: OGM

ZEUS ENERGY INC.  
268 South Main  
Salt Lake City, Utah 84101

October 14, 1981

Utah State Natural Resources & Energy  
Department of Oil, Gas & Mining Division  
1588 West North Temple  
Salt Lake City, Utah

RECEIVED  
OCT 15 1981  
DIVISION OF  
OIL, GAS & MINING

Attention: Debbie Beauregard

Re: Stipulation

Dear Debbie:

As you are aware, Rule 30 CFR 221.20 requires that a well shall not be drilled closer than 200 feet from the lease boundary or 200 feet from any legal subdivision without adequate reasons or consent.

Zeus Energy, Inc., is the owner of U.S. Oil and Gas Lease U-40560, and proposes to drill a well on the leased premises to test for oil and gas at a location in Section 9, T14S, R19W, SLBM, Juab County, State of Utah, 1360.8' North of the southern boundary of Section 9 in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$  and 2401.1' West of the eastern boundary of Section 9. The proposed location is approximately 40' from the South boundary line of the NW $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 9, but is considered to be necessary because of the following:

The reason for staking an alternate location is that the preferred location does not fall 200 feet from the south boundary line of the NW $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 9, T14S, R19W, SLBM. The reason Drill Hole No. 1 is preferred is because of its practicality, both environmentally and economically. Drill Hole No. 1 is situated at the top of a small drainage system. Drainage control would be minimal with no effect on major drainage systems. This site could be leveled with little cut and fill having to be done. In the event of production, a permanent access road can be built to this location without crossing any drainage systems.

Utah State Natural Resources  
October 14, 1981  
Attn: Debbie Beauregard  
Page Two

Drill Hole No. 2 satisfies the spacing criteria for staking a drill site, but will require considerably more excavating work than Drill Hole No. 1. Drill Hole No. 2 is situated on the bottom end of a peninsula, between two major drainage systems. Access would require crossing one of these drainage systems. In the event that we wish to deepen the hole in the future and a larger location is needed to accomodate a larger drill rig, Drill Hole No. 1 has plenty of room for expansion without disturbing major drainage systems. Drill Hole No. 2 could be expanded by moving one of the drainage systems laterally or by diverting it at a point above the location.

Therefore, Zeus Energy, Inc., Lessee, requests your consent to the drilling of the proposed well at the above-described location. In consideration of such consent, Zeus Energy, Inc., Lessee, hereby expressly covenants and agrees that it will make no separate assignments of the NW $\frac{1}{4}$ SE $\frac{1}{4}$  and the SW $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 9, T14S, R19W, SLBM, and that it will keep the two described subdivisions under joint assignment until the above-mentioned well has been plugged and abandoned with the approval of the Supervisor.

Please find enclosed a complete drawing of Section 9, per your request. The drawing together with a copy of the lease payment should satisfy your requirement for evidence of property ownership withtin 660 feet of the drill site.

Very truly yours,

ZEUS ENERGY, INC.

  
Robert C. Taylor,  
President

RCT:prb  
Enclosures

N.W. 1/4

N.E. 1/4

9

E. 1/4 CORNER

NW 1/4 SE 1/4

NE 1/4 SE 1/4

S.W. 1/4

DRILL HOLE NO. 1 (1969.55' N. and 226.50' E. - S 1/4 CORNER)  
(PREFERRED LOCATION)  
EL. 5400

DRILL HOLE NO. 2 (1007.20' N. and 273.30' E. - S 1/4 CORNER)  
(ALTERNATIVE LOCATION)  
EL. 5400

SW 1/4 SE 1/4

SE 1/4 SE 1/4

N09°32'02"E 1379.59'  
N15°10'53"E 1043.82'

S. 1/4 CORNER

N89°56'W

9 10  
16 15

N00°10'W

N



DRAWN BY:	DENNIS BAILEY
DATE:	1/26/81
CHECKED BY:	JOE E. SHOEMAKER
DATE:	1/29/81
APPROVAL:	
APPROVAL:	
APPROVAL:	

# OIL WELL LOCATIONS

## SECTION 9, T14S, R19W

TITLE: ZEUS ENERGY

SCALE: 1" = 400' DRAWING NO. A-1

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

9577-136 EAST SOUTH TEMPLE, SALT LAKE CITY UT 84111

DATE  
SEP 15 81

RECEIPT FOR PAYMENT

ADP-1070

OGP 49

ZEUS ENERGY INC.

268 S MAIN

SALT LAKE CITY UT

84101

SERIAL NO.	U 40560 A
AMOUNT DUE	\$1280.00
DATE DUE	SEP-01-81
AMOUNT RECEIVED	\$1280.00
DATE RECEIVED	AUG-24-81

U 40560 A
SERIAL NO.

ADP- 4613

136 E S TEMPLE, SALT LAKE CTY UT 84111

## NOTICE OF PAYMENT DUE

RETURN THIS NOTICE WITH REMITTANCE TO:

BUREAU OF LAND MANAGEMENT

SEP 1, 81	\$1,280.00
DUE BY	PAY THIS AMOUNT

ANNUAL RENTAL

MAKE REMITTANCE PAYABLE TO:

THE BUREAU OF LAND MANAGEMENT

This is a courtesy billing notice for a rental payment due. The amount shown should be verified with the terms of the lease or other contract involved. If the amounts do not agree, the amount required by the lease or contract should be paid. If the correct amount is not paid on or before the due date, the lease or contract may terminate automatically by the

(PFX=U) OGP 49 023 14

5003  
1981 AUG 24 PM 1:08DEPT OF INTERIOR  
BUR. OF LAND MGMT.

ZEUS ENERGY INC

268 S MAIN

SALT LAKE CITY UT

84101

DO NOT WRITE IN THIS BLOCK

IF THE ABOVE ADDRESS IS INCORRECT, PLEASE ENTER CORRECTION ON FRONT OF THIS NOTICE

RICHFIELD DISTRICT 050
 JUAN COUNTY

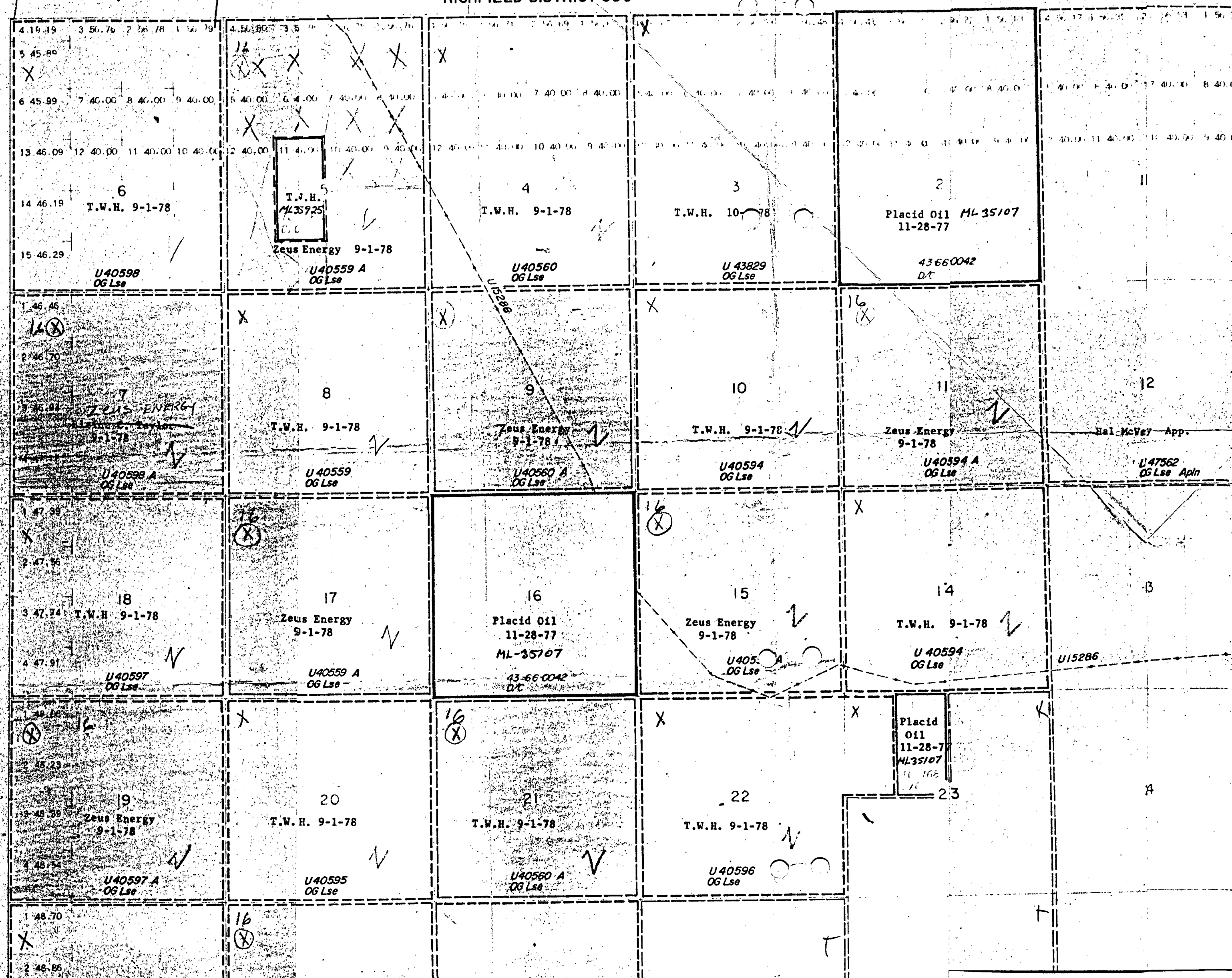
O G PLAT

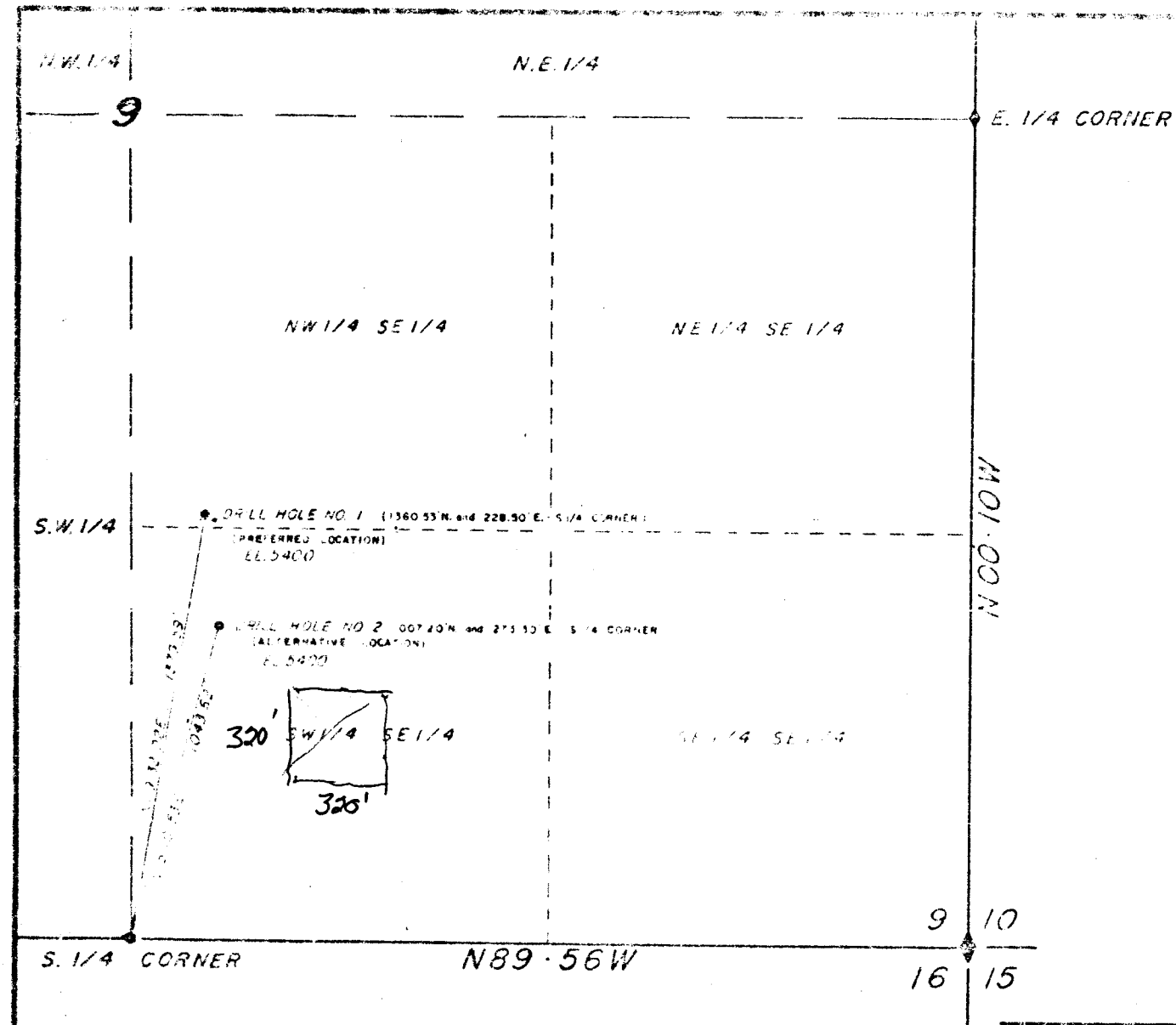
[illegible]

FOR ORDERS EFFECTING DISPOSAL OR USE OF  
UNIDENTIFIED LANDS WITHDRAWN FOR CLASSIFICATION  
MINERALS, WATER AND/OR OTHER PUBLIC PURPOSES.  
REFER TO INDEX OF MISCELLANEOUS DOCUMENTS

U 4342 - Classification of Public Lands for Multiple Use Management 3/27/1968, segregates Entire Township from appropriation only under the Agricultural Land Laws (43 U S C, Parts 7 & 9; 25 U S C, Sec. 334), and from public sales under Section 2455 R S (43 U S C 1171).

T.W.H. Thomas W. Higginson





BY	LENNIS BAILEY
DATE	1/26/81
CHECKED BY	JOE E. SHOEMAKER
DATE	1/29/81
APPROVAL	
APPROVAL	
APPROVAL	

OIL WELL LOCATIONS	
SECTION 9, T14S, R19W	
EXHIBIT I	
ZEUS ENERGY	
SCALE 1" = 400'	DRAWN BY 4-1



Rule 30 CFR 221.20 requires well shall not be drilled closer than 200 ft. from the lease boundary or 200 ft. from any legal subdivision without adequate reasons or consent.

District Oil and Gas Engineer  
U.S. Geological Survey  
Conservation Division  
8440 Federal Building  
Salt Lake City, Utah 84138

Re: Stipulation

Dear Sir:

Zeus Energy, Inc., is the owner of U.S. Oil and Gas Lease U-40560, and proposes to drill a well on the leased premises to test for oil and gas at a location in the SW $\frac{1}{4}$ , NW $\frac{1}{4}$  SE $\frac{1}{4}$  Section 9, T 14 S, R 19 W, S.L.B. Mer., Juab County, State of Utah, 1360.5' North and 228.5' east of the S $\frac{1}{4}$  corner of Section 9.

Section 221.20 of the Federal Oil and Gas Regulations requires that no well be drilled less than 200' from the boundary of any legal subdivision without the written consent of the Supervisor, United States Geological Survey. The proposed location is approximately 40' from the South boundary line of the NW $\frac{1}{4}$  SE $\frac{1}{4}$  of Section 9, but is considered to be necessary because of the following:

The reason for staking an alternate location is that the preferred location does not fall 200 feet from the south boundary line of the northwest 1/4 of the southeast 1/4 of Section 9, Township 14 South, Range 19 West, Salt Lake Base and Meridian. The reason Drill Hole No. 1 is preferred is because of its practicality, both environmentally and economically. Drill Hole No. 1 is situated at the top of a small drainage system. Drainage control would be minimal with no effect on major drainage systems. This site could be leveled with little cut and fill having to be done. In the event of production a permanent access road can be built to this location without crossing any drainage systems. Drill Hole No. 2 satisfies the spacing criteria for staking a drill site, but will require considerably more excavating work than Drill Hole No. 1. Drill Hole No. 2 is situated on the bottom end of a peninsula, between two major drainage systems. Access would require crossing one of these drainage systems. In the event that we wish to deepen the hole in the future and a larger location is needed to accommodate a larger drill rig, Drill Hole No. 1 has plenty of room for expansion without disturbing major drainage systems. Drill Hole No. 2 could be expanded by moving one of the drainage systems laterally or by diverting it at a point above the location.

Therefore, Zeus Energy, Inc., Lessee, requests the consent of the Supervisor to the drilling of the proposed well at the above-described location. In consideration of such consent, Zeus Energy, Inc., Lessee, hereby expressly covenants and agrees that he will make no separate assignments of the NW $\frac{1}{4}$  SE $\frac{1}{4}$  and the SW $\frac{1}{4}$  SE $\frac{1}{4}$ , Section 9, T 14 S, R 19 W, SLB Mer., and that he will keep the two described subdivisions under joint assignment until the above-mentioned well has been plugged and abandoned with the approval of the Supervisor.

Very truly yours,

ZEUS ENERGY, INC.

  
Robert Taylor, President

1 0 P O I N T P L A N

ZEUS ENERGY, INC.  
Section 9, T14S, R19W  
Juab County, Utah

1. Geological name of the surface formation: \_\_\_\_\_  
Quaternary - Lake Beds
2. Estimated tops of geological markers: \_\_\_\_\_  
Unknown; no geological well control in the area.
3. Estimated depths anticipated to encounter water, oil, gas or other mineral bearing formations: \_\_\_\_\_  
Unknown; see Item #2, above.
4. Casing program: \_\_\_\_\_  
See Form OGC-1a, Item #23

5. Blowout Preventors: Hydraulic double rams with a 3000 psi rating BOP. One set of pipe rams will be provided for each size drill pipe in the hole. One set of blind rams will be installed at all times. Fill lines, kill lines, and choke relief line will be 2", 3000 psi rated. BOP will be tested daily and noted on IADC Daily Drilling Report. After running surface casing and prior to drilling out, BOP will be tested to full working pressrue. Thereafter, the BOP will be checked daily for mechanical operations only and will be noted on the IADC Report. See Exhibit 'A'.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

6. Mud Program:

<u>Approximate Interval</u>	<u>Type Mud</u>	<u>Weight #/gal.</u>	<u>Viscosity</u>	<u>W.L.</u>
<u>0 - 500'</u>	<u>Native</u>	<u>8.3 - 8.5</u>	<u>As needed</u>	<u>NC</u>
<u>500 - 5000'</u>	<u>Gel/low solids</u>	<u>8.5 - 9.0</u>	<u>32 - 35</u>	<u>10 - 15 cc</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

7. Auxillary Equipment: \_\_\_\_\_

- a. Kelly cock will be in use at all times.
- b. Full opening stabbing valve will be present on floor at all times.
- c. Mud monitoring will be visual. No abnormal pressures are anticipated.
- d. 2" - 3000psi choke manifold with remote control choke will be on well.  
See Exhibit 'A'.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

8. Testing Program: \_\_\_\_\_

No DST's planned. No cores anticipated. Open hole logs will be DIL and  
Neutron-Density log with caliper. If casing is run, a cement bond log  
with Gamma Ray will be run.

9. Hazards: \_\_\_\_\_

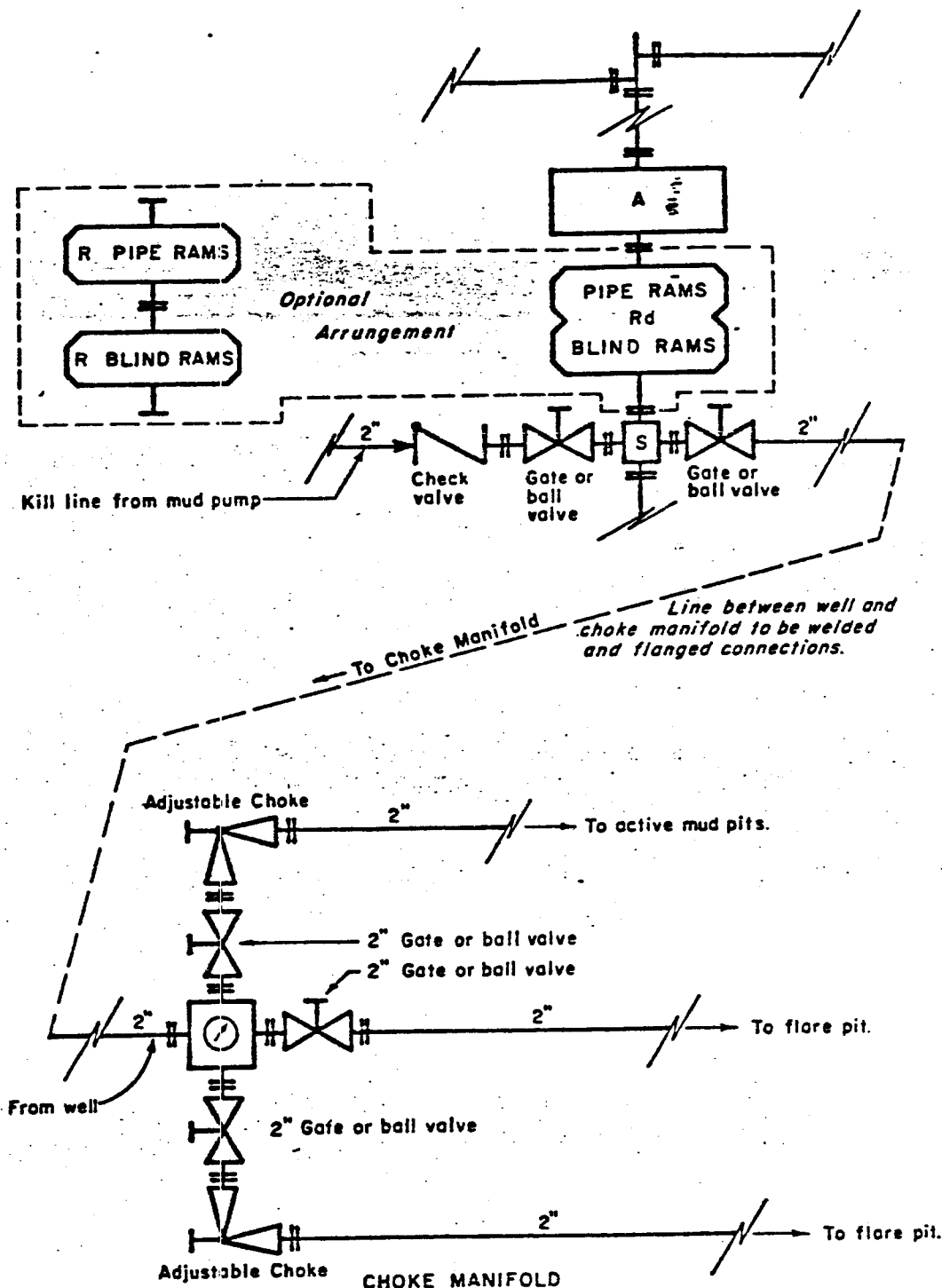
No abnormal pressures, temperatures, or poison gases are expected to be  
encountered.

10. The starting date is approximately June 20, 1981 depending  
on rig availability and should take 2 to 3 weeks to complete.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Zeus Energy, Inc., and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

May 18, 1981  
Date

Robert C Taylor  
Name  
President  
Title



All equipment to be 3,000 psi working pressure except as noted.

- Rd Double ram type preventer with two sets of rams.
- R Single ram type preventer with one set of rams.
- S Drilling spool with side outlet connections for choke and kill lines.
- A Annular type blowout preventer.

Exhibit 'A'

Zeus Energy, Inc.  
Federal 1-9 (proposed)  
Section 9 T 14 S, R 19 W  
Juab County, Utah

Required Minimum Blowout Preventer  
and Choke Manifold

1 3   P O I N T   S U R F A C E   U S E   P L A N

Zeus Energy, Inc.  
Federal 1-9 (Proposed)  
Sec. 9, T 14 S, R 19 W  
Juab County, Utah

1. Existing Roads

a. Proposed Wellsite Location:

As surveyed by a registered land surveyor is located 1360.5' north and 228.5' East of S $\frac{1}{4}$  corner, Section 9, T 14 S, R 19 W, Juab County, Utah. See Exhibit I.

b. Planned Access Route:

From Gandy, Utah, drive northeast 10.7 miles on a light duty dirt road. Turn west (left) onto another light duty dirt road which is the main access road to Pleasant Vally. Go west approximately 5 miles. The location will be approximately 250' from the road. See Exhibit II

c. Access Road Labeled:

See Exhibit II. Red - existing road

Blue - New access road to be constructed

d. If exploratory well, all existing roads within 3 miles:

See Exhibit II.

1. e. If development well, all existing roads within a one mile radius of well-site:

N/A

- f. Plans for improvement and/or maintenance of existing roads:

The existing roads will require minor improvements. However, these roads, along with the new access road, may require periodic grading to return the road surface to a cross section necessary for proper drainage.

2. Planned Access Route

Route Location: The planned new access route was selected to provide the shortest distance to the wellsite with acceptable grades from the main connector road. The new access road will be approximately 250' from the existing improved dirt road. A temporary access will be built initially; if the well is productive, the temporary road will be improved as follows:

(1) Width: The average dirt width will be 20 feet. The average traveled surface width will be 20 feet. Road construction will be in accordance with typical roadways requested by the US Bureau of Land Management.

(2) Maximum Grades: The maximum grade allowed will be 5°.

(3) Turnouts: Not required.

(4) Drainage Design: Prior to construction of the new access road, the brush and topsoil will be windrowed to each side of the alignment outside construction limits. The subgrade surface will be a minimum elevation of one foot above ditch grade. The road surface will be center crowned and the inslopes will have a maximum slope of 3:1 and fill slopes will be a maximum of 2:1.



- (5) Culverts Use, Major Cuts and Fills: Culverts will not be required.  
Cuts and fills will be minimal.
- (6) Surfacing Material: The proposed access road will be constructed with  
native fill.
- (7) Gates, Cattlegurads, Fence Cuts: Not required.
- (8) New Portion of road will be center flagged.

3. Location of Existing Wells

The proposed well is an exploration well. There are no known wells (water, abandoned, temporarily abandoned, disposal and drilling) within a 2 mile radius.

4. Location of Existing and/or Proposed Facilities

a. Existing facilities within one mile radius owned or controlled by operator:

(1) Tank Batteries: None

(2) Production Facilities: None

(3) Oil Gathering Lines: None

(4) Gas Gathering Lines: None

(5) Injection Lines: None

(6) Disposal Lines: None

b. New Facilities in Event of Production:

(1) New facilities: wellhead, condensate tank, production separator, meter house, all constructed on disturbed ground.

(2) Dimension of the facilities are shown on Exhibit III.

(3) Construction will be to strip the topsoil and level the drilling pad. Construction methods will be employed to assure that no drainage flows are impounded to prevent the loss of any hydrocarbons from the site to facilitate rapid clean up and recovery of the loss.

(4) Protective measures to protect wildlife and livestock: Open pits will be flagged overhead and fenced.

4. c. Plan for rehabilitation of disturbed areas no longer needed for operations after construction is completed:

Upon completion of well, areas required for continued use will be graded to provide drainage and minimize erosion. Those areas not required for continued use will be graded to blend with the surrounding topography. Topsoil will be replaced on those areas and seeded as per BLM specification.

5. Location and Type of Water Supply

- a. The water source has not yet been determined but will be from a legal private source.
- b. Water transportation system: water will be hauled in trucks from an undetermined source.
- c. Water wells: None

6. Source of Construction Materials

- a. Materials: Construction materials will consist of soil encountered within the boundaries of the proposed site. Topsoil will be stripped to a depth of 6 inches and stockpiled in an area that does not interfere with operations.
- b. Land Ownership: The planned site and access roads lie on Federal land administered by the U.S. Department of the Interior, U.S. Bureau of Land Management.
- c. Materials Foreign to Site: N/A
- d. Access road shown under Item II.

7. Methods of Handling Waste Materials

- a. Cuttings: Will be contained within the limits of the reserve pit.
- b. Drilling Fluids: Will be retained in the reserve pit.
- c. Produced Fluids: No substantial amount of water is expected. The amount of hydrocarbon that may be produced while treating will be retained in the reserve pit. Previous to clean up operations the hydrocarbon materials will be skimmed or removed as the situation would dictate.
- d. Sewage: Sanitary facilities will consist of at least one chemical toilet. Waste will be contained in a pit and backfilled immediately following the drilling operations or removed to a sanitary disposal facility.
- e. Garbage: A burn cage will be constructed and fenced with small mesh wire. The refuse will be removed from the area and taken to a landfill.
- f. Clean Up Well Site: After drilling, the surface of the drill pad will be cleaned and graded to accomodate a completion rig. The "mouse hole and rat hole" will be backfilled to prevent injury and hazard for livestock. Reserve pit will be fenced until dry and it can be backfilled and restored to natural terrain.

8. Ancillary Facilities

None required.

9. Well-site Layout

(1) Well location is relatively flat and requires minimal cuts and fills.

Any cuts and fills needed will be determined at on-site inspection.

Surface soil will be stock piled on the north side of location, 12" high.

(2) Location of Pits: See Exhibit IV.

(3) Rig orientation: See Exhibit IV.

(4) Pits will be unlined, unless otherwise required.

10. Plans For Restoration of Surface

a. Reserve Pit Cleanup: The pit will be fenced prior to rig release and shall be maintained until clean up. Previous to backfill operation, any hydrocarbon material on the pit surface will be removed. The fluids and solids contained in the pit shall be backfilled with soil excavated from the site and with soil adjacent to the reserve pit. The restored surface of the reserve pit will be contoured to prevent impoundment of any drainage flows. The gradient of the surface will be maintained to prevent sudden acceleration of drainage flows which could cause continued erosion of the surface. Following backfill completion, topsoil removed from the disturbed areas will be replaced in a uniform layer. The reserve pit will be seeded per BLM recommendation during the appropriate season following final restoration of the site.

b. Restoration Plans - Production Developed: The reserve pit will be back-filled and restored as described under Item a. In addition, those disturbed areas not required for production will be graded to blend with the surrounding topography. Topsoil will be placed on these areas and seeded. The portion of the drill pad required for production and turning areas will be graded to minimize erosion and provide access to production facilities under inclement conditions. Following final improvement and surfacing of that portion of new access road, the topsoil windrowed to each side of the alignment will be placed on the cut slopes. Following depletion and abandonment of the site, restoration procedures will be those that follow under Item c.

10. c. Restoration Plans - No Production Developed: Of course, the reserve pit will be restored as described above. With no production developed, the entire surface disturbed by construction of the drilling pad will be restored to its natural terrain and reseeded per BLM requirements

11. Other Information

a. Surface Description: The proposed site is located in Pleasant Valley Draw which drains into Snake Valley from the southern end of the Deep Creek Mountains. The site is situated on two low swells at the toe of a broad alluvial fan. The vegetation is sparse, consisting of annuals and grasses interspersed with occasional salt brush on the low swells with sagebrush, rabbit-brush and snakeweed along the washes in the swales.

b. Other Surface Use Activities: The surface is Federally owned and managed by the BLM/USGS.

c. Proximity of Water, Dwelling, Historical Sites:

1. Water : None known

2. Dwellings: None

3. Historical sites: An Archaeological Cultural Resource Survey was conducted for this location. The report dated February 2, 1981, is attached.

12. Operator's Representative

Field Personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Zeus Energy, Inc.	Rocky Mountain Petroleum Consultants, Inc.
Robert C. Taylor	Thomas E. Wolter
268 South Main Street	136 South Main St., Suite 822
Salt Lake City, Utah 84101	Salt Lake City, Utah 84101
Office: 801/531-6764	Office: 801/328-3017
	Home: 801/363-1462

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by Zeus Energy, Inc. and its contractors and sub-contractors will conform to this plan.

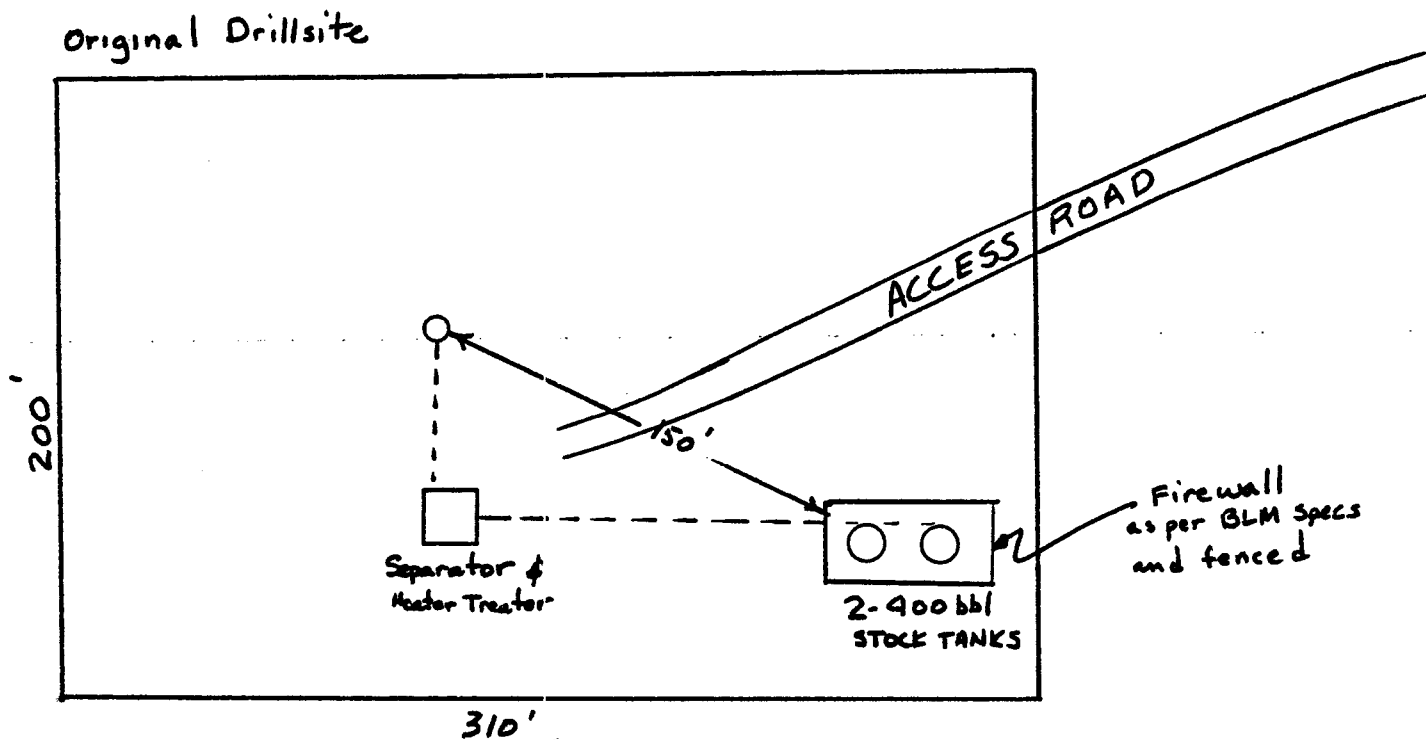
DATE:

May 18, 1981

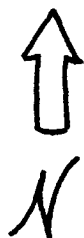
Robert C Taylor





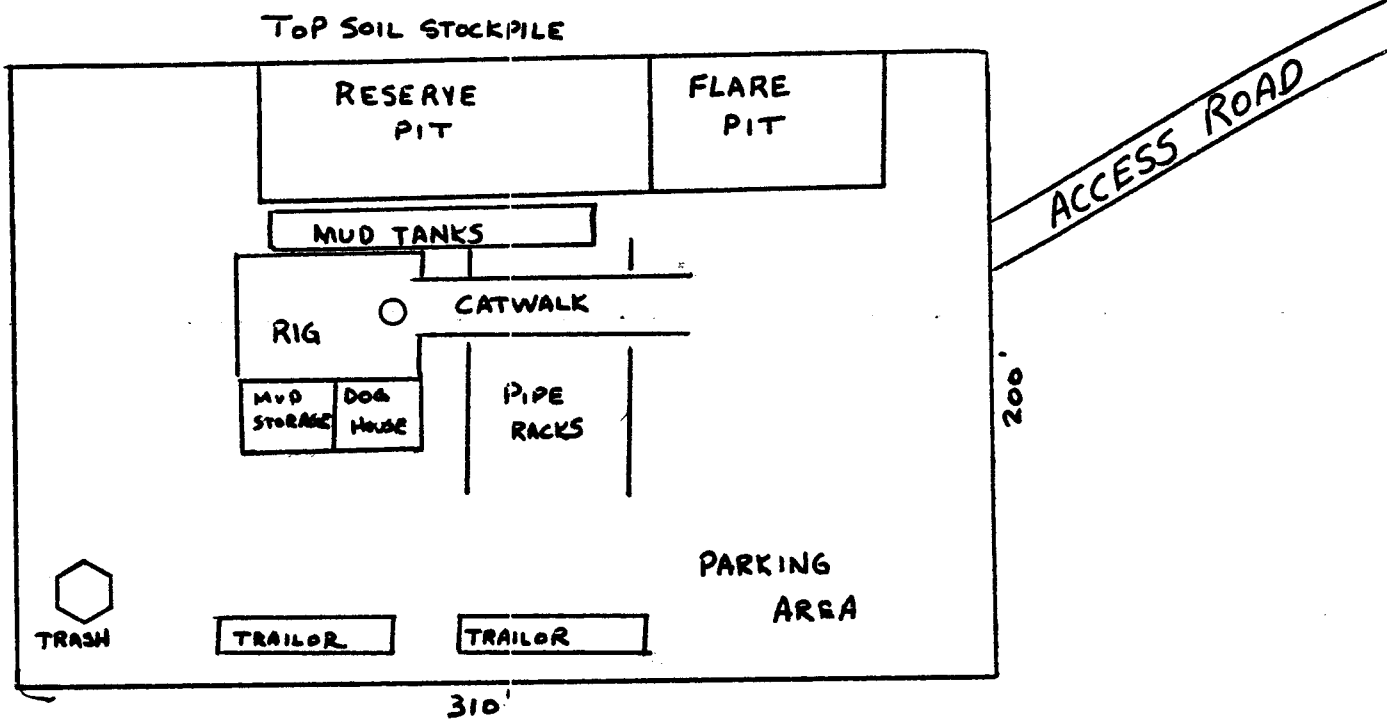


SCALE: 1" = 60'



Zeus Energy, Inc.  
Federal 1-9 (proposed)  
Section 9, T 14 S, R 19 W  
Juab County, Utah

PRODUCTION FACILITIES  
EXHIBIT III



SCALE : 1" = 60'



Zeus Energy, Inc.

Federal 1-9 (proposed)  
Section 9, T 14 S, R 19 W  
Juab County, Utah

RIG LAYOUT

EXHIBIT IV

THE  
UNIVERSITY  
OF UTAH

RECEIVED  
FEB 5 1981



ARCHEOLOGICAL  
CENTER

DEPARTMENT OF  
ANTHROPOLOGY  
STEWART BUILDING  
SALT LAKE CITY, UTAH 84112  
801-581-8663

February 2, 1981

Robert Taylor  
Zeus Energy  
268 South Main Street  
Salt Lake City, Utah 84101

Dear Mr. Taylor,

Enclosed is the final report and billing for our cultural resource survey of two drill locations in Juab County, Utah. Copies of the report have been distributed to the appropriate government agencies.

If you have any questions concerning the report or our billing, please don't hesitate to call.

Sincerely,

Richard N. Holmer  
Research Assistant Professor

at

Copies sent to:

Richard Fike, State Archeologist  
Bureau of Land Management  
Dr. David Madsen  
Utah Historical Society  
Antiquities Section  
Craig Harmon  
Bureau of Land Management  
Richfield, Utah

A CULTURAL RESOURCE SURVEY  
OF TWO DRILL LOCATIONS IN  
JUAB COUNTY, UTAH

By  
Steven R. Simms

ARCHEOLOGICAL CENTER  
DEPARTMENT OF ANTHROPOLOGY  
UNIVERSITY OF UTAH

Prepared for  
Zeus Energy, Inc.

REPORTS OF INVESTIGATIONS 81-3

January 1981

Utah State Antiquities Section Permit Number 570

Department of Interior Permit Number 81-UT-044

## ABSTRACT

An archeological survey was conducted on two proposed drill sites in Juab County, Utah for historic and prehistoric cultural resources. It was determined from the field investigations and records search that no cultural resources will be adversely affected by the drilling activities.

## INTRODUCTION

This report is submitted in partial fulfillment of an agreement between the University of Utah Archeological Center and Zeus Energy, Inc. of Salt Lake City, for the survey of the historic and prehistoric cultural resources on two proposed drill sites near the south end of the Deep Creek Mountains in western Utah. The two drill sites are located on land administered by the Bureau of Land Management, Richfield District. The survey was conducted by Steven Simms of the University of Utah on January 23, 1981.

## SETTING AND LOCATION

The survey area is located in Pleasant Valley Draw which drains into Snake Valley from the southern end of the Deep Creek Mountains. The survey area is situated on two low swells at the toe of a broad alluvial fan. These swells are composed of gravel deposits and are deflating indicating the surface is relatively old by archeological measures. The two drill locations are approximately 100 meters apart at an elevation of 1333 meters (5400 feet).

The vegetation of the survey area is sparse, consisting of annuals and grasses interspersed with occasional saltbrush (Atriplex spp.) on the low swells with sagebrush (Artemisia tridentata), rabbitbrush (Chrysothamnus spp.), and snakeweed (Gutierrezia microcephala) along the washes in the swales.

## LITERATURE AND RECORDS SEARCH

Prior to the initiation of the field examination, a record search was conducted of the archeological and historical files at the University of Utah and the Antiquities Section, Utah State Historical Society. There are no sites of a historic or prehistoric nature that have been recorded on or near the survey area. There are no sites listed on the National Register of Historic Places, or nominated to the Register in the immediated vicinity of the survey area.

## SURVEY PROCEDURES

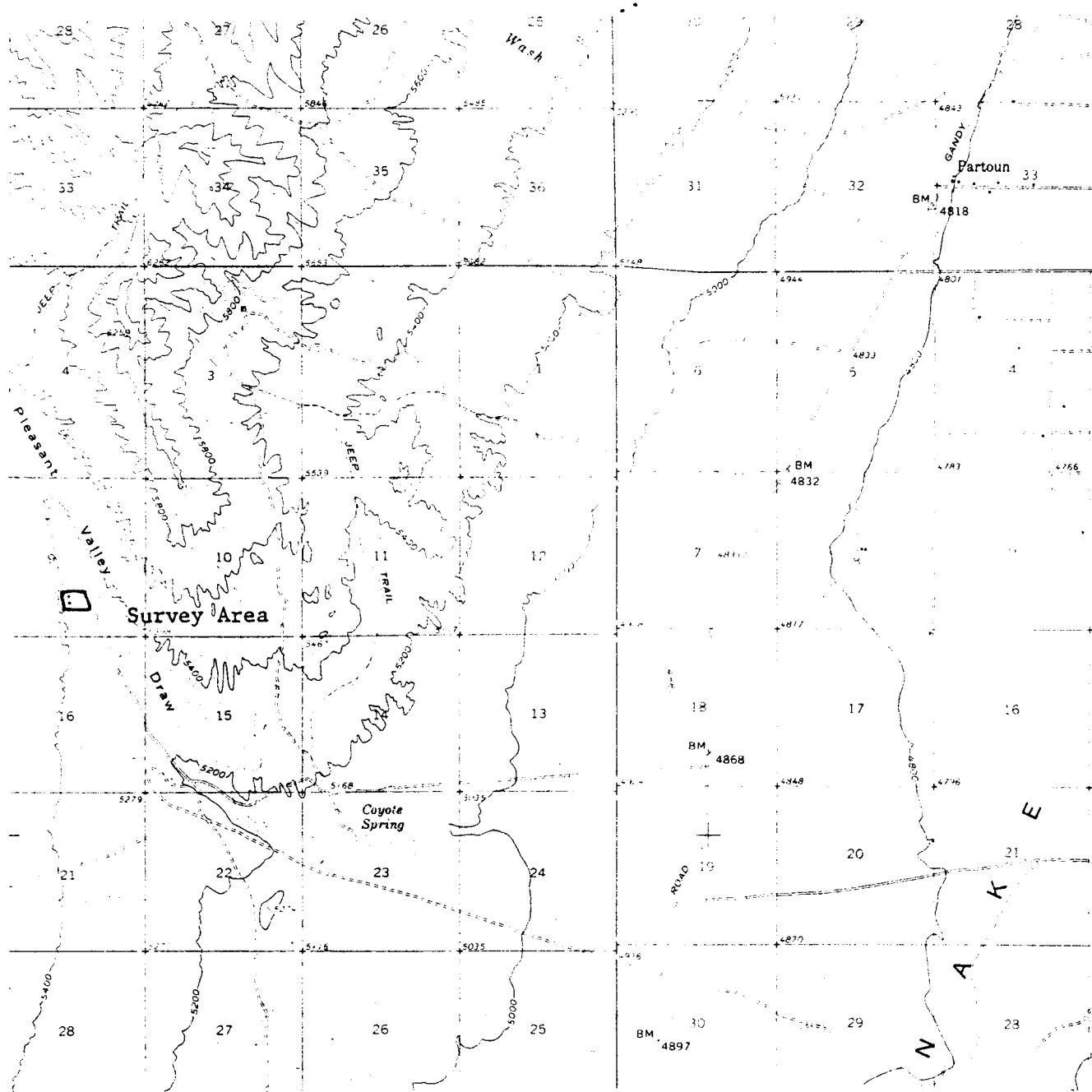
Access to the drill sites was via dirt roads leading north from U.S. highway 50 at the Utah-Nevada state line. The drill sites were marked by surveyor's flagging and stakes. The drill sites were examined by walking the area from the road to a point 100 meters west of each location and to points 50 meters north and south of each location. By surveying a single block between the locations and the road, the placement of the access road to the locations can be flexible. Soil and vegetation characteristics were noted.

## DESCRIPTION OF DRILL SITES

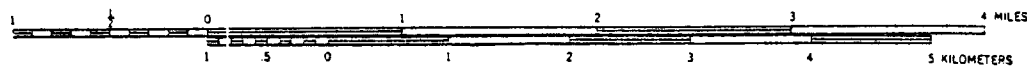
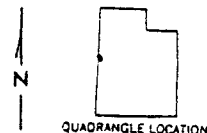
The proposed drill sites are located 41 road miles north of U.S. highway 50 in Pleasant Valley Draw. Both locations are in the NE 1/4 of the SW 1/4 of the SE 1/4 of section 9, T14S; R19W. The existing road comes to within 200 meters of the proposed locations. From there, an access road will be constructed.

## SURVEY RESULTS AND RECOMMENDATIONS

The intensive examination of two drill sites and the area between the drill sites and the nearest access road revealed no cultural remains of either a historic or prehistoric nature with the exception of a cut wood fragment and a white enamel plate. These artifacts are of no archeological significance. Neither were there any previously recorded sites in the survey area. Therefore, no cultural resources will be endangered by the proposed drilling activities. Additionally, the probability of subsurface archeological remains is low. However, if subsurface archeological material is encountered during location preparation, all work should halt immediately and an archeologist be informed.



Surveyed drill sites in Juab County, Utah.  
From U.S.G.S. Trout Creek Quadrangle - 15' series (topographic)  
Survey area (both locations are within this block)



DISTRIBUTION LIST

Contractor:

Zeus Energy, Inc.  
268 South Main Street  
Salt Lake City, Utah 84101

Attn. Robert Taylor

Land Ownership

Richard Fike  
Bureau of Land Management  
University Club Building  
136 E. South Temple  
Salt Lake City, Utah 84111

Craig Harmon  
Bureau of Land Management  
Richfield District  
150 E. 900 North  
Richfield, Utah 84701

State Agency

David B. Madsen  
Antiquities Section  
Utah State Historical Society  
300 Rio Grande Room 210  
Salt Lake City, Utah 84101



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

<b>1a. TYPE OF WORK</b> DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>  <b>b. TYPE OF WELL</b> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			<b>5. LEASE DENIGATION AND SERIAL NO.</b> U-40560 A	
<b>2. NAME OF OPERATOR</b> Zeus Energy, Inc.			<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b>  	
<b>3. ADDRESS OF OPERATOR</b> 268 South Main St., Salt Lake City, Utah, 84101			<b>7. UNIT AGREEMENT NAME</b>  	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.) At surface <del>1360.5 North and 228.5 East of the S<math>\frac{1}{2}</math> COR of</del> Sec. 9, T14S, R19W, SLB & M <u>1360' FSL AND</u> At proposed prod. zone <u>Same as above SW<math>\frac{1}{4}</math>, NW<math>\frac{1}{4}</math>, SE<math>\frac{1}{4}</math> 2412' FSL</u>			<b>8. FARM OR LEASE NAME</b> Federal	
<b>14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*</b> 45 miles northwest of Delta, Utah			<b>9. WELL NO.</b> 1-9	
<b>15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.</b> (Also to nearest drlg. unit line, if any) 1360.5'			<b>10. FIELD AND POOL, OR WILDCAT</b> Wildcat	
<b>18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.</b> N/A			<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Sec. 9, T-14-S, R-19-W	
<b>16. NO. OF ACRES IN LEASE</b> 1280			<b>12. COUNTY OR PARISH</b> Juab	
<b>19. PROPOSED DEPTH</b> 5000'			<b>13. STATE</b> Utah	
<b>20. ROTARY OR CABLE TOOLS</b> Rotary			<b>22. APPROX. DATE WORK WILL START*</b> June 20, 1981	
<b>21. ELEVATIONS (Show whether DF, RT, GR, etc.)</b> 5400' GR				

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 $\frac{1}{4}$ "	8 5/8"	36#/ft	500	Circ. to surface
7 7/8"	4 $\frac{1}{4}$ "	10.5#/ft	5000	As determined by logs

RECEIVED

MAR 25 1982

DIVISION OF  
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Robert C. Taylor TITLE President DATE May 18, 1981  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] E. W. Guynn  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ TITLE District Oil & Gas Supervisor DATE MAR 24 1982

NOTICE OF APPROVAL

\*See Instructions On Reverse Side  
 CONDITIONS OF APPROVAL ATTACHED  
 TO OPERATOR'S COPY

FLARING OR VENTING OF  
 GAS IS SUBJECT TO NTL 4-  
 DATED 1/1/80

1 June 1982

Identification No. 473-81

United States Department of the Interior  
Geological Survey  
Oil and Gas Operations  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name ZEUS ENERGY INC. WELL No 1-9  
Project Type OIL WELL  
Project Location 1360' FSL, 2412' FEL, SEC 9 T14S R19W  
Date Project Submitted 5-26-81

FIELD INSPECTION

Date JUNE 17, 1981

Field Inspection  
Participants

<u>BIRREL HIRSCHI</u>	<u>BLM</u>
<u>DENNIS MARCIN</u>	<u>BLM</u>
<u>ROBERT TAYLOR</u>	<u>ZEUS</u>
<u>JIM KEOGH</u>	<u>KEOGH INC.</u>
<u>TOM TACKETT</u>	<u>TACKETT INC.</u>

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

6/30/81

Date Prepared

George J. Durochak  
Environmental Scientist

I concur

JUN 30 1981

Date

W. D. Martin FOR  
District Supervisor

E. W. GUYNN  
DISTRICT ENGINEER

# CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health safety	1 (6-24-81)					2	6		4, 8
2. Unique characteristics	1	9 (6-30-81) (6-22-81)				2			4, 8
3. Environmentally controversial	1	9 (6-22-81)					6		4
4. Uncertain and unknown risks	1	9 (6-30-81)				2			4, 8
5. Establishes precedents	1								4, 8
6. Cumulatively significant									4
7. National Register historic places		9 (6-29-81)							4
8. Endangered/ threatened species		9 (6-29-81)							
9. Violate Federal, State, local, tribal law							6		4, 8

SEE ATTACHED (LEGEND)

## CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. RECOMMENDED STIPULATIONS
9. MEMORANDA TO WELL FILE DOCUMENTING TELECONS and MEETINGS

## RECOMMENDED STIPULATIONS

1. ALL FRESH WATER HORIZONS SHALL BE PROTECTED BY ISOLATING WITH CEMENT.
2. THE DEPTH OF ANY ABNORMALLY HIGH TEMPERATURES SHALL BE REPORTED TO DEFINE POTENTIAL GEOTHERMAL RESOURCES
3. THE ACCESS ROAD TO THE LOCATION WILL FOLLOW THE LARGE FLAT WASH WEST OF THE WELLSITE
4. THE DRILL PAD WILL BE ROTATED 90° counterclockwise, with reserve pits on the west side of the location. Pad dimensions will be restricted to 200 ft east-west by 300 ft north-south.
5. THE RESERVE PIT SHALL BE ALLOWED TO DRY PRIOR TO BACK-FILLING AND MATERIALS BURIED MUST BE COVERED WITH AT LEAST FOUR FEET OF SOIL.
6. THE TOP 6 INCHES OF TOPSOIL SHALL BE STOCKPILED FROM THE PAD SITE AND NEW ACCESS ROAD FOR REDISTRIBUTION DURING REHABILITATION.
7. THE FOLLOWING SEED MIXTURE WILL BE USED TO RESEED THE ROAD AND PAD AREA:

YELLOW SWEET CLOVER	3 lbs/acre
SHADSCALE	3 lbs/acre
WINTERFAT	2 lbs/acre
CRESTED WHEATGRASS	3 lbs/acre

SEEDING SHALL BE DONE AFTER OCTOBER 15.

8. THE BUREAU OF LAND MANAGEMENT SHALL BE INFORMED  
OF REHABILITATION AND SEEDING OPERATION DATES SO  
A REPRESENTATIVE CAN BE PRESENT



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
HOUSE RANGE RESOURCE AREA  
Fillmore, Utah 84631

IN REPLY REFER TO

2064  
U-056

June 24, 1981

Geological Survey  
Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84138

Gentlemen:

Attached is a Staff Report for the inspection of the Zeus Energy Inc. oil well site in T. 14 S., R. 19 W., Section 9.

Please use the recommendation in the Staff Report for the issuing of the drilling permit.

The Bureau of Land Management representative who will be available for consultation during construction and rehabilitation activities is Birrell Hirschi, House Range Resource Area, P. O. Box 778, Fillmore, Utah 84631, office phone 743-6811, home phone 743-5172.

Sincerely yours,

*Thomas L. Jensen*  
Area Manager

Enclosure  
Staff Report



# United States Department of the Interior

IN REPLY REFER TO

BUREAU OF LAND MANAGEMENT  
HOUSE RANGE RESOURCE AREA  
Fillmore, Utah 84631

3100  
U-056

## STAFF REPORT

TITLE : Well Site Investigation, U.S.G.S., BLM and Zeus Energy Inc.

DATE : June 22, 1981

AUTHOR: Birrell Hirschi, Surface Protection Specialist

On June 17, 1981 I received a telephone call from George Diwachak at home at 7:00 a.m. George said he had been involved in an auto accident and would not be able to attend the on site inspection with Zeus Energy Inc. site in Pleasant Valley and asked if I would fill in for him and advise him back.

On June 17, 1981 at 11:30 am Birrell Hirschi and Dennis Marcin met Robert C. Taylor (Zeus Energy Inc.), Jim Keogh (Keogh Inc.) and Tom Tackett (Tackett Inc.) at the well site.

The site location was on the south drainage slope of Pleasant Valley south of the road and between two large flat washes. The vegetation consisted of galleta grass, desert globemallow, broom snakeweed, little-leaf horsebrush, winterfat, evening primrose, Nevada mormon tea, shadscale, greasewood, hoary aster and mustard.

The drill site will be a 200' x 300' site. The 200' distance will be east and west while the 300' will be north and south. The sludge pits will be on the <sup>WEST</sup> south end of the pad at the head of a short wash that starts on the pad site. *clear to request*

The road to the drill pad will be up the large flat wash adjacent to the site to the west. ✓

It is recommended that the top 6" of soil be stockpiled for redistribution over the drill site when it is rehabilitated. That the road and the disturbed areas be reseeded using the following mixture. ✓

Yellow sweet clover	3 lbs/acre
Shadscale	3 lbs/acre
winter fat	2 lbs/acre
Crested wheatgrass	3 lbs/acre

✓

The USGS should be informed that the operator be required to inform the BLM when the rehabilitation is to take place and that the seeding be done after the 15th of October, and that a BLM representative be present when this is done. ✓

*E. Birrell Hirschi*



FROM: DISTRICT GEOLOGIST, , SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-40560A

OPERATOR: Zeus Energy Inc.

WELL NO. 1-9

LOCATION: SE $\frac{1}{4}$  NE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 9, T. 14S, R. 19W, SLB & M

Juab County, Utah

1. Stratigraphy:

Quaternary Alluvium - Surf (5400' GR)

Tertiary - Lake Sediments - ?

TD - 5000' in ?

Paleozoic or Mesozoic rocks may be drilled at lower drilling depths.

2. Fresh Water: Fresh to useable water should occur to T.D. (5000') in Tertiary formations.

3. Leasable Minerals: prospect lies within the Grandy sprgs. Geothermal prospectively valuable resource area. Six wells and Surface springs in Snake Valley show temperatures ranging from 20° - 27° C, and have flow rates up to 17000 liters/min.

4. Additional Logs Needed:

none

5. Potential Geologic Hazards:

none known. an elevated geothermal gradient may be encountered.

6. References and Remarks:

WRD (C-20-19)25

UG+MS - Geothermal Resources of Utah (Map)

Signature:

Gray Shree

Date:

6-4-81



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 6, 1982

Zues Energy, Inc.  
268 South Main Street  
Salt Lake City, Utah 84101

Re: Well No. Federal #1-9  
Sec. 9, T. 14S, R. 19W.  
Juab County, Utah

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Clerk Typist

**ZEUS ENERGY INC.**  
268 South Main  
Salt Lake City, Utah 84101  
(801) 531-1817

May 10, 1982

State of Utah Natural Resources & Energy  
Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: Well No. Federal No. 1-9  
Sec. 9, T. 14S, R. 19W  
Juab County, Utah

Gentlemen:

Reference your letter of May 6, 1982, with regard to the above-referenced drilling permit issued March, 1982, it is our intention to spud in sometime this summer. Your office will be notified fifteen (15) days prior to the date we spud in as outlined in the drilling permit.

If I may be of any further assistance, please do not hesitate to call.

Very truly yours,

  
Robert C. Taylor  
President

RCT/prb

**RECEIVED**  
MAY 11 1982

DIVISION OF  
OIL, GAS & MINING



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 301-533-5771

March 17, 1983

Zeus Energy, Inc.  
268 South Main  
Salt Lake City, Utah 84101

Re: Well No. Federal # 1-9  
Sec. 9, T. 14S, R. 19W.  
Juab County, Utah

Gentlemen:

In reference to the above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Well Records Specialist

CF/cf

M

# ZEUS ENERGY INCORPORATED

March 21, 1983

RE: Well No. Federal #1-9  
Sec. 9, T14S, R19W  
Juab County, Utah

State of Utah  
Natural Resources & Energy  
Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Attention: Cari Furse  
Well Records Specialist

Gentlemen:


In answer to your letter dated March 17, 1983, we intend to drill on the above-mentioned well at a later date. We are awaiting funding at this time and will inform your office when funding becomes available.

We are enclosing a copy of this letter to be returned as an acknowledgement of receipt and a self-addressed envelope.

Thank you.

Very truly yours,

ZEUS ENERGY, INC.

  
Robert C. Taylor

/cas  
Enclosures

**RECEIVED**  
MAR 23 1983

Acknowledgement of Receipt



State of Utah, Division of Oil, Gas and Mining

DIVISION OF  
OIL GAS & MINING

DATE

Oil and Gas Operations  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

April 4, 1983

Zeus Energy, Inc  
268 South Main Street  
Salt Lake City, Utah 84101

Re: Rescind Application for Permit  
to Drill  
Well No. 1-9  
Section 9, T. 14 S., R. 19 W.  
Juab County, Utah  
Lease U-40560-A

Gentlemen:

The Application for Permit to Drill the referenced well was approved on March 24, 1982. Since that date no known activity has transpired at the approved location. Under District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of the well will be rehabilitated. A schedule for this rehabilitation must then be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

(ORIG. SGD.) W. P. MARTENS  
Drilling Unit Supervisor

*for* E. W. Guynn  
District Oil and Gas Supervisor

bcc: Well File  
SMA  
State O&G ✓  
State BLM  
APD Control  
Vernal or Durango

WPM/kr



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Felght, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 7, 1983

Zeus Energy, Inc.  
268 South Main Street  
Salt Lake City, Utah 84101

RE: Rescind Application for  
Permit to Drill  
Well No. 1-9  
Sec. 9, T.14S, R.19W  
Juab County, Utah

Gentlemen:

Approval of Application for Permit to Drill the above referenced well is rescinded without prejudice as of the above date in concert with action taken by Oil and Gas Operations.

If you intend to drill this location at a future date, a new application for permit to drill may be submitted for State approval.

Sincerely,

Norman C. Stout  
Administrative Assistant

NS/as